

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (Canceled)

Claim 2. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said medium chamber has medium directing means.

Claim 3. (Original): An exposure device according to Claim 2, wherein said medium directing means is formed from a raised area of said base portion of said exposure device.

Claim 4. (Previously Presented): An exposure device according to Claim 2, wherein said medium directing means is an island within said medium chamber around which a nutrient medium may flow.

Claim 5. (Previously Presented): An exposure device according to Claim 2, wherein said medium directing means is centrally located within said medium chamber.

Claim 6. (Previously Presented): An exposure device according to Claim 2, wherein said medium directing means is located equidistant to each of said cell culture chambers.

Claim 7. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said exposure device comprises three cell culture chambers.

Claim 8. (Currently Amended): An exposure device according to Claim [[1]]43, wherein the base of each of said cell culture chambers is spaced apart from the base of said exposure device by a gap such that, in operation, nutrient medium flows freely under each of said cell culture chambers within said medium chamber.

Claim 9. (Original): An exposure device according to Claim 8, wherein said gap is at least 1mm.

Claim 10. (Previously Presented): An exposure device according to Claim 8, wherein said gap is about 2mm or more.

Claim 11. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said medium inlet is located in said base portion of said exposure device such that, in operation,

medium flows directly into said medium chamber.

Claim 12. (Previously Presented): An exposure device according to Claim 11, wherein said medium inlet is located in a side wall of said base portion of said exposure device.

Claim 13. (Previously Presented): An exposure device according to Claim 11, wherein said medium inlet is located in a bottom wall of said base portion of said exposure device.

Claim 14. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said medium inlet is a pipe or a tube.

Claim 15. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said medium outlet is spaced apart from said medium inlet.

Claim 16. (Previously Presented): An exposure device according to Claim 2, wherein said medium outlet is spaced apart from said medium inlet by all of said cell culture chambers and/or said medium directing means.

Claim 17. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said medium outlet is operable to remove nutrient medium from the top surface thereof.

Claim 18. (Previously Presented): An exposure device according to Claim 17, wherein said medium outlet extends from the top portion of said exposure device into said medium chamber.

Claim 19. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said medium outlet comprises two outlets.

Claim 20. (Currently Amended): An exposure device according to Claim 19, wherein one of said two outlets is positioned to allow for basal feeding of said cell cultures within said cell culture chambers, and the other of said outlets is positioned to allow for submersion feeding of said cell cultures within said cell culture chambers.

Claim 21. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said medium outlet is a pipe or a tube.

Claim 22. (Previously Presented): An exposure device according to Claim 21, wherein said medium outlet is locked into said exposure device by a locking mechanism.

Claim 23. (Previously Presented): An exposure device according to Claim 22, wherein said locking

mechanism is a threaded screw arrangement having a central bore.

Claim 24. (Previously Presented): An exposure device according to Claim 22, wherein said locking mechanism is a frictional lock operable to adjust the position of said medium outlet tube.

Claim 25. (Currently Amended): An exposure device according to Claim ~~[[1]]~~43, wherein said medium outlet is operably attached to a first pump and said medium inlet is operably attached to second pump.

Claim 26. (Previously Presented): An exposure device according to Claim 25, wherein, in operation, said first pump has a controllable first pump rate and said second pump has a controllable second pump rate and said first pump rate is at least equal to said second pump rate.

Claim 27. (Original): An exposure device according to Claim 26, wherein said first pump rate is greater than said second pump rate.

Claim 28. (Canceled): An exposure device according to Claim 1, wherein said exposure device further comprises a fluid exposure chamber.

Claim 29. (Currently Amended): An exposure device according to Claim 43, wherein said fluid exposure chamber is in flow communication with all ~~common to~~ said cell culture chambers.

Claim 30. (Currently Amended): An exposure device according to Claim ~~[[28]]~~43, wherein said exposure device further comprises fluid dispersing means.

Claim 31. (Original): An exposure device according to Claim 30, wherein said fluid dispersing means is operable to provide substantially contemporaneous fluid exposure to each of said cell culture chambers.

Claim 32. (Previously Presented): An exposure device according to Claim 30, wherein said fluid dispersing means is a disc-shaped plate above said cell culture chambers.

Claim 33. (Currently Amended): An exposure device according to Claim ~~[[1]]~~43, wherein said fluid inlet means is located in said top portion of said exposure device.

Claim 34. (Currently Amended): An exposure device according to Claim ~~[[1]]~~43, wherein said fluid inlet is operably connected with fluid generating means whereby fluid is delivered to said

exposure device through said fluid inlet.

Claim 35. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said exposure device further comprises a cell culture chamber support.

Claim 36. (Currently Amended): An exposure device according to Claim [[1]]43, wherein said exposure device is formed from a material selected from the group consisting of comprising PTFE, Stainless Steel, Perspex™ and Glass.

Claim 37. (Withdrawn): A method of supplying nutrient medium to cell culture chambers whereby nutrient supply means, medium directing means and cell culture chambers are mutually arranged to provide substantially contemporaneous nutrient medium replenishment at each of said cell culture chambers.

Claim 38. (Original): An exposure device for living cell cultures having a medium chamber common to a plurality of cell culture chambers and medium directing means, said cell culture chambers and medium directing means being mutually arranged so as to provide substantially contemporaneous medium exchange at said cell culture chambers.

Claim 39. (Canceled).

Claim 40. (Previously Presented): An exposure device for living cell cultures, comprising:  
a base portion, a top portion, a fluid inlet, a fluid outlet, a medium inlet, a medium outlet, a medium chamber and a plurality of cell culture chambers, wherein the medium chamber is common to all of the cell culture chambers, said medium chamber has a raised area of said base portion of said exposure device.

Claim [[42]]41. (Currently Amended): The exposure device according to Claim 40, wherein said raised area of said base portion is located equidistant to each of said cell culture chambers.

Claim [[43]]42. (Currently Amended): An exposure device for living cell cultures, comprising:  
a base portion, a top portion, a fluid inlet, a fluid outlet, a medium inlet, a medium outlet, a

medium chamber and a plurality of cell culture chambers, wherein the medium chamber is common to all of the cell culture chambers, said medium chamber has a raised area of said base portion of said exposure device, said medium outlet locked into said exposure device by a locking mechanism.

Claim 43. (New): An exposure device for living cell cultures comprising a base portion connected with a top portion to form therebetween a medium chamber adjacent said base portion, a fluid exposure chamber adjacent said top portion, and a plurality of cell culture chambers positioned between said medium chamber and said fluid exposure chamber;  
said medium chamber being common to all of said cell culture chambers;  
a fluid inlet for introducing fluid into said fluid exposure chamber;  
a fluid outlet for removal of fluid from said fluid exposure chamber;  
a medium inlet for providing medium to said medium chamber; and  
at least one medium outlet for extraction of medium from said medium chamber.